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Application No.

10/092,436 Examiner

Jeffrey R. Swearingen

Applicant(s)

HASEGAWA ET AL.

Art Unit

2145

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected N Interference

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| Final        | Original   | 3/10/05  |          |              |          |              |  |              |              |                |
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|              | 1<br>2<br>3<br>4<br>5  | √        |          |              |          |              |  |              |              |                |
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|              | 8  | 7        |          |              |          |              |  |              |              | $\dashv$       |
|              | 8<br>9<br>10   | v        |          |              |          | _            |  |              |              | $\dashv$       |
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| <del> </del> | 13   |          |          |              |          |              |  | _            | -            | $\dashv$       |
|              | 14   |          |          |              |          |              |  | H            | _            | $\dashv$       |
|              | 15   |          |          |              |          |              |  |              |              | $\neg$         |
|              | 16   |          |          |              |          |              |  | П            |              | $\Box$         |
|              | 17   |          |          |              |          |              |  |              |              |                |
|              | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21 |          |          |              |          |              |  |              |              |                |
|              | 19   |          |          |              |          |              |  |              |              |                |
|              | 20   |          |          |              |          |              |  |              |              |                |
|              | 21   |          |          |              |          |              |  |              |              |                |
|              | 22   |          |          |              |          |              |  |              |              |                |
|              | 22<br>23<br>24   |          |          |              |          |              |  |              |              |                |
|              | 24   |          |          |              |          |              |  |              |              | Ш              |
| <u> </u>     | 25   |          |          |              |          |              |  |              |              |                |
| <u> </u>     | 25<br>26<br>27   |          |          |              |          |              | _  |              | _            |                |
|              | 2/   |          |          | -            |          |              | _  | _            |              | _              |
| <u> </u>     | 28<br>29   |          |          |              |          | _            | _  |              | -            | _              |
|              | 30   |          | _        |              |          |              |  |              |              |                |
|              | 30<br>31   | -        | _        | <del>-</del> | -        |              |  |              |              | _              |
|              | 32   | _        |          | -            |          |              |  |              |              | $\vdash$       |
|              | 33   |          |          |              |          |              | _  |              |              | $\vdash$       |
|              | 34   |          |          |              |          |              |  |              |              |                |
|              | 34<br>35   |          |          |              |          |              |  |              |              |                |
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|              | 37   |          |          |              |          |              |  |              | $\Box$       |                |
|              | 38   |          |          |              | Ĺ        |              |  | <u> </u>     |              | Ш              |
|              | 39   | Ш        |          |              |          | ļ            |  | <u> </u>     |              | Щ              |
|              | 40   |          |          | <u> </u>     | <u> </u> | _            |  | <u> </u>     | <u> </u>     | Щ              |
|              | 41   | igspace  |          | <u> </u>     |          | L            | _  | _            | <u> </u>     | Щ              |
| <u> </u>     | 42   | <u> </u> | <u> </u> | <u> </u>     | _        | <u> </u>     | _  | <u> </u>     | $\vdash$     |                |
| -            | 43   | -        | <u> </u> | $\vdash$     | _        | _            | <u> </u>   | $\vdash$     | <del> </del> | Н              |
| -            | 44<br>45   |          | _        | ┡            | ۲.       | <del> </del> | $\vdash$   | -            | $\vdash$     | $\vdash\vdash$ |
|              | 46   | $\vdash$ |          | ┢            |          |              | $\vdash$   | $\vdash$     | ⊢            | $\vdash\vdash$ |
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| -            | 48   | $\vdash$ | -        | ļ. —         | -        | -            |  | <del> </del> | -            | Н              |
| $\vdash$     | 49   | $\vdash$ |          |              | ┢═       | $\vdash$     | -  | -            | -            | Н              |
| <b>—</b>     | 50   |          | $\vdash$ |              | $\vdash$ | _            | <del>                                     </del> |              |              | Н              |

| )la      | im       |                    |          |          |          | Date     |          |          |          |          | ]   | Cla      | im       |          |          |          |   | Date     | =        |               |  |           |
|----------|----------|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|-----|----------|----------|----------|----------|----------|---|----------|----------|---------------|--|-----------|
|          |          |                    |          |          |          |          |          |          |          |          | 1   |          |          |          |          |          |   |          |          |               |  | $\Box$    |
| :        | Original | 3/10/05            |          |          |          |          |          |          |          |          |     | <u>a</u> | Original |          |          |          |   |          |          |               |  |           |
| :        | ġ        | 710                |          |          |          |          |          |          |          |          |     | Final    | rig      |          |          |          |   |          |          |               |  |           |
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| 7        | 1        | 1                  |          |          |          |          |          |          |          |          | 1   |          | 51       |          |          |          |   |          |          |               |  |           |
| ┪        | 2        | 7                  |          |          |          |          | -        |          |          |          |     |          | 52       |          |          |          |   |          |          | Г             |  |           |
| $\dashv$ | 3        | <b>√</b>           |          |          |          |          |          |          |          | -        | 1   |          | 53       |          |          |          |   |          |          | $\overline{}$ |  |           |
| T        | 4        | <b>V</b>           |          |          |          |          |          | -        |          |          | 1   |          | 54       | •        |          |          |   |          |          | Г             |  |           |
| T        | 5        | 1                  |          | _        | _        |          |          |          |          |          | 1   |          | 55       |          |          |          |   |          |          |               |  |           |
| ╛        | 6        | 1                  |          |          |          |          |          |          |          |          | 1   |          | 56       |          |          |          |   |          |          | Г             |  |           |
| $\neg$   | 7        | 1                  | _        |          |          |          |          |          |          |          | 1   |          | 57       |          |          |          |   |          |          | $\overline{}$ |  |           |
|          | 8        | 1                  |          | _        |          |          |          |          |          |          | 1   |          | 58       |          |          |          |   |          |          |               |  | П         |
| T        | 9        | 1                  |          |          |          |          |          |          |          |          |     |          | 59       |          |          |          |   |          |          |               |  |           |
|          | 10       |                    |          |          |          |          |          |          |          |          |     |          | 60       |          |          |          |   |          |          |               |  |           |
| $\neg$   | 11       |                    |          |          |          |          |          |          |          |          | ]   |          | 61       |          |          |          |   |          |          |               |  |           |
|          | 12       |                    |          |          |          |          |          |          |          |          | ]   |          | 62       |          |          |          |   |          |          |               |  |           |
| $\neg$   | 13       |                    |          |          |          |          |          |          |          |          | ]   |          | 63       |          |          |          |   |          |          |               |  |           |
|          | 14       |                    |          |          |          |          |          |          |          |          |     |          | 64       |          |          |          |   |          |          |               |  |           |
|          | 15       |                    |          |          |          |          |          |          |          |          |     |          | 65       |          |          |          |   |          |          |               |  |           |
|          | 16       |                    |          |          |          |          |          |          |          |          |     |          | 66       |          |          |          |   |          |          |               |  |           |
|          | 17       |                    |          |          |          |          |          |          |          |          | ]   |          | 67       |          |          |          |   |          |          |               |  |           |
|          | 18       |                    |          |          |          |          |          |          |          |          |     |          | 68       |          |          |          |   |          |          |               |  |           |
|          | 19       |                    |          |          |          |          |          |          |          |          | ]   |          | 69       |          |          |          |   |          |          |               |  |           |
|          | 20       |                    |          |          |          |          |          |          |          |          |     |          | 70       |          |          |          |   |          |          |               |  |           |
|          | 21       |                    |          |          |          |          |          | •        |          |          | ]   |          | 71       |          |          |          |   |          |          |               |  |           |
|          | 22       |                    |          |          |          |          |          |          |          |          | ] ! |          | 72       |          |          |          |   |          |          |               |  |           |
|          | 23       |                    |          |          |          |          |          |          |          |          | ]   |          | 73       |          |          |          |   |          |          |               |  |           |
|          | 24       |                    |          |          |          |          |          |          |          |          |     |          | 74       |          |          |          |   |          |          |               |  |           |
|          | 25       |                    |          |          |          |          |          |          |          |          | ]   |          | 75       |          |          |          |   |          |          |               |  |           |
|          | 26       |                    |          |          |          |          |          |          |          |          |     |          | 76       |          |          |          |   |          |          |               |  |           |
|          | 27       |                    |          |          |          |          |          |          |          |          | ]   |          | 77       |          |          |          |   |          |          |               |  |           |
|          | 28       |                    |          |          |          |          |          |          |          | Г        | 1   |          | 78       |          |          |          |   |          |          |               |  |           |
|          | 29       |                    |          |          |          |          |          |          |          |          | 1   |          | 79       |          |          |          |   |          |          |               |  |           |
|          | 30       |                    |          |          |          |          |          |          |          |          | 1   |          | 80       |          |          |          |   |          |          |               |  | П         |
| -        | 31       |                    |          |          | _        |          |          |          |          |          | 1   |          | 81       |          |          |          |   | Г        |          |               |  |           |
|          | 32       |                    |          |          |          |          |          |          |          |          |     |          | 82       |          |          |          |   |          |          |               |  |           |
|          | 33       |                    |          |          |          |          |          |          |          |          | ]   |          | 83       |          |          |          |   |          |          |               |  |           |
|          | 34       |                    |          |          |          |          |          |          |          |          |     |          | 84       |          |          |          |   |          |          |               |  |           |
|          | 35       |                    |          |          |          |          |          |          |          |          | ]   |          | 85       |          |          |          |   |          |          |               |  |           |
|          | 36       |                    |          |          |          |          |          |          |          |          | ]   |          | 86       |          |          |          |   |          |          |               |  |           |
|          | 37       |                    |          |          |          |          |          |          |          |          | ]   |          | 87       |          |          |          |   |          |          |               |  | Ш         |
|          | 38       |                    |          |          | <u></u>  |          |          |          |          |          | ]   |          | 88       |          |          |          |   |          |          |               |  |           |
|          | 39       |                    |          |          |          |          |          |          |          |          | ]   |          | 89       |          |          |          |   |          | L        |               |  | $\square$ |
|          | 40       |                    |          |          |          |          |          |          |          |          | ]   |          | 90       |          |          |          |   |          | <u> </u> |               |  | Ш         |
|          | 41       |                    |          |          |          |          |          |          |          |          | ]   |          | 91       |          |          |          |   |          |          |               |  | ot        |
|          | 42       |                    |          |          |          |          |          |          | L        | L        | ]   |          | 92       |          | L        |          |   | _        |          | <u> </u>      |  | Ш         |
|          | 43       |                    | L        |          |          |          |          |          |          |          | ļ   |          | 93       |          |          |          |   |          |          | _             |  | Ш         |
|          | 44       |                    |          |          | L        |          |          |          | L_       |          | 1   |          | 94       | L.       |          |          |   |          |          | L.            | $ldsymbol{ld}}}}}}}}}$ | Ш         |
|          | _45      |                    |          | <u>L</u> | <u> </u> | L.       |          |          |          |          | Į   |          | 95       |          |          |          | - |          | <u> </u> |               | <u> </u>   | Ш         |
|          | 46       |                    |          |          |          |          |          |          |          | _        | 1   |          | 96       |          | <u> </u> | <u> </u> |   | <u> </u> | <u> </u> |               | $ldsymbol{ldsymbol{ldsymbol{eta}}}$  | Ш         |
|          | 47       |                    |          |          |          | _        |          | <u> </u> |          | _        | 1   | L        | 97       | _        |          | _        |   | L        |          |               | _  | Ш         |
|          | 48       |                    |          |          |          |          | ــــــا  | L        |          |          | 1   |          | 98       |          | <u> </u> |          |   | <u> </u> |          | <u> </u>      | _  | Ш         |
|          | 49       | $oxedsymbol{oxed}$ | <u>_</u> |          |          | <u>_</u> |          |          | <u> </u> | <u>L</u> | 1   |          | 99       |          |          | <u> </u> |   |          | <u> </u> |               |  | Ш         |
|          | 50       |                    |          |          | ا        |          | <u> </u> |          |          | <u></u>  | ]   |          | 100      | <u> </u> | l        | L        |   | L        |          | L             | L  |           |
| _        |          |                    |          |          |          |          |          |          |          |          |     |          |          |          |          |          |   |          |          |               |  |           |

| Cla          | aim  | Date     |              |  |  |   |              |          |          |                    |  |
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|              |  |          |              | Г  | П  |   |              |          |          |                    |  |
| <del>-</del> | Original   |          |              |  |  |   |              |          |          | ı                  |  |
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|              | 101<br>102   |          |              | <u> </u>   |  |   |              |          |          | _                  |  |
|              | 102  |          | _            | <u> </u>   |  | _   |              |          |          |                    |  |
|              | 103  |          | <u>_</u>     |  | _  | _   | _            |          |          | _                  |  |
|              | 103<br>104<br>105<br>106   | Ŀ        |              |  |  | lacksquare  |              |          |          | _                  |  |
|              | 105  |          |              |  |  |   |              |          |          | Ц                  |  |
|              | 106  |          |              |  |  | _   |              |          |          |                    |  |
|              | 107  |          |              |  | L_   |   | _            |          |          |                    |  |
|              | 108  |          |              |  |  |   |              |          |          |                    |  |
|              | 109  |          |              |  |  |   |              |          |          |                    |  |
|              | 110  |          |              |  |  |   |              |          |          |                    |  |
|              | 111  |          |              |  |  | L   |              |          |          |                    |  |
|              | 112  |          |              |  |  |   |              |          |          |                    |  |
|              | 113  |          |              |  |  |   |              |          |          |                    |  |
|              | 114  |          |              |  |  |   |              |          |          |                    |  |
|              | 115  |          |              |  |  |   |              |          |          |                    |  |
|              | 116  | Г        | _            | Г  |  | _   |              |          |          | $\Box$             |  |
|              | 117  |          | _            | <del>                                     </del> | <del>                                     </del> | <del>                                     </del>  |              |          |          | $\exists$          |  |
|              | 118  |          |              | <u> </u>   | $\vdash$   |   |              |          |          | $\vdash$           |  |
|              | 119  |          |              | Ι  | -  |   |              |          |          |                    |  |
|              | 120  |          |              |  |  |   |              |          |          |                    |  |
|              | 121  | H        | ├            | -  | -  | $\vdash$  | <del> </del> |          |          | -                  |  |
|              | 122  | $\vdash$ |              | ┢  |  | <del> </del>  | <del> </del> | $\vdash$ |          | $\vdash$           |  |
|              | 122  |          | -            | -  | ├─   | -   |              |          |          | $\dashv$           |  |
|              | 123  | _        | _            | -  | -  | -   | H            | _        | _        | $\dashv$           |  |
|              | 124  |          | -            | -  |  |   | $\vdash$     | -        |          | -                  |  |
|              | 125  | -        | -            | ⊢  | _  | -   | <u> </u>     | _        |          | $\dashv$           |  |
|              | 120  | -        | <del> </del> | -  |  |   | -            | -        | _        | $\dashv$           |  |
|              | 127  | -        | ┝            | $\vdash$   | -  |   | -            | -        |          | -                  |  |
|              | 128  | -        |              | ⊢  | _  | -   |              |          | -        |                    |  |
|              | 129  |          | ļ            | -  |  |   |              | _        | _        | Н                  |  |
|              | 130  |          | <u> </u>     | _  |  |   |              | L        | _        | Н                  |  |
|              | 131  |          |              |  |  |   |              | _        | _        | Щ                  |  |
|              | 132  | <u> </u> | <u> </u>     | <u> </u>   |  | <u> </u>  | <u> </u>     | _        |          | Щ                  |  |
| ļ            | 133  | Ь        | <u> </u>     | <u> </u>   | <u> </u>   | <del>  _</del>  | <u> </u>     | <u> </u> | $\sqcup$ | Ш                  |  |
|              | 134  | <u> </u> | <u> </u>     | <u> </u>   | <u> </u>   |   | <u> </u>     | <u> </u> | $\vdash$ | Ш                  |  |
|              | 135  | <u> </u> | _            | _  | <u> </u>   |   | <u> </u>     |          | <u> </u> | Ш                  |  |
|              | 107<br>108<br>109<br>111<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>130<br>131<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138 | _        |              | <u> </u>   | <u> </u>   | <u> </u>  | <u> </u>     | <b> </b> | $\vdash$ | Ш                  |  |
|              | 137  | _        | _            | L  | <u> </u>   |   | <u> </u>     | <u> </u> | <u> </u> | Ш                  |  |
| <u></u>      | 138  | _        |              | L.   | _  |   | <u> </u>     |          |          | Щ                  |  |
|              | 139  |          | <u> </u>     |  | <u></u>  |   |              |          |          |                    |  |
|              | 140  | <u>_</u> |              |  |  | $ldsymbol{ld}}}}}}$ |              |          |          |                    |  |
|              | 141  |          |              | L  | oxdot  | oxdot   | oxdot        |          | _        | $\sqcup$           |  |
|              | 142  |          |              | 匸  | L  | 匚   | 匚            |          | L        |                    |  |
|              | 143  |          |              | L  | Ľ  |   |              |          | L        | $oxedsymbol{oxed}$ |  |
|              | 144  |          |              |  |  |   |              |          |          |                    |  |
|              | 145  |          |              |  |  |   |              |          |          | П                  |  |
|              | 146  |          |              | Π  | Г  | Π   |              |          |          | М                  |  |
| <b></b>      | 147  | <u> </u> |              | $\Box$   |  |   |              |          | T .      | П                  |  |
|              | 148  | Т        | Г            | T  | T  | Τ   | Т            | T        | Г        | Н                  |  |
|              | 149  | 1        |              | <del> </del>                                     |  | <del>                                     </del>  | <u> </u>     | t        | T        | Н                  |  |
| <del></del>  | 150  | H        | $\vdash$     | 1  | <del>                                     </del> | $\vdash$  | $\vdash$     | $\vdash$ | $\vdash$ | Н                  |  |
|              | 1.50   | Щ.       | <u>i</u>     | <u> </u>   | <u> </u>   | 1   | Ц_           | Щ.       | Щ-       | ш                  |  |